

**03050112-020**  
**(Rediversion Canal)**

**General Description**

Watershed 03050112-020 extends through Berkeley County and consists primarily of the **Rediversion Canal (Crawl Creek)** and its tributaries. The watershed occupies 23,419 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Chastain-Tawcaw-Pantego-Noboco-Bonneau series. The erodibility of the soil (K) averages 0.15; the slope of the terrain averages 2%, with a range of 0-6%. Land use/land cover in the watershed includes: 30.9% forested land, 21.0% scrub/shrub land, 18.6% forested wetland, 14.3% agricultural land, 6.8% water, 4.5% barren land, and 3.9% urban land.

The 11.5 mile Rediversion Canal connects Lake Moultrie with the lower Santee River near the Town of St. Stephen. Mattassee Lake accepts drainage from Crawl Creek (Lifeland Branch, Big Bay Branch) and Curriboo Branch before entering the Rediversion Canal. Also draining into the canal are Ponteaux Branch and Mattassee Branch. There are a total of 41.3 stream miles in this watershed, all classified FW. An additional natural resource is the Francis Marion National Forest, which extends over the base of the watershed.

**Water Quality**

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SC-037	SC	FW	REDIVERSION CANAL AT SC 45
ST-031	P	FW	REDIVERSION CANAL AT US 52

**Rediversion Canal** - There is one SCDHEC site (**ST-031**) and one SCPSA site (**SC-037**) along the Rediversion Canal. Aquatic life and recreational uses are fully supported at both sites. At **ST-031**, there was a significant decreasing trend in dissolved oxygen concentration, a significant increasing trend in turbidity, and a significant increasing trend in pH.

*A fish consumption advisory has been issued by the Department for mercury and includes the Rediversion Canal within this watershed (see advisory p.34).*

**NPDES Program**

**Active NPDES Facilities**

<b>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD) COMMENT</b>	<b>NPDES# TYPE LIMITATION</b>
REDIVERSION CANAL CORPS. OF ENG./ST. STEPHEN HYDRO PIPE #: 001 FLOW: M/R	SC0047937 MINOR INDUSTRIAL EFFLUENT

REDIVERSION CANAL  
GEORGIA PACIFIC RESINS  
PIPE #: 001 FLOW: M/R

SCG250181  
MINOR INDUSTRIAL  
EFFLUENT

REDIVERSION CANAL  
GEORGIA PACIFIC CORP.  
PIPE #: 001 FLOW: M/R

SCG250179  
MINOR INDUSTRIAL  
EFFLUENT

CURRIBOO BRANCH  
ALBANY INTNL/FELT DIV.  
PIPE #: 001 FLOW: M/R  
PIPE #: 002 FLOW: M/R  
PIPE #: 003 FLOW: M/R

SC0002569  
MINOR INDUSTRIAL  
WQL FOR NH3-N, TRC, DO  
WQL FOR BOD<sub>5</sub>, NH3-N

### ***Mining Activities***

***MINING COMPANY***  
***MINE NAME***

***PERMIT #***  
***MINERAL***

DAVID & RALPH WOODWARD  
OLD FIELD MINE

0929-15  
SAND/CLAY

### ***Land Disposal Activities***

#### **Landfill Facilities**

***LANDFILL NAME***  
***FACILITY TYPE***

***PERMIT #***  
***STATUS***

GEORGIA PACIFIC CORP. CHEM.  
INDUSTRIAL

083304-1601 (IWP-078, CWP-026)  
ACTIVE

### **Growth Potential**

There is a low to moderate potential for growth in this watershed, which contains the Town of St. Stephen and portions of the communities of Pineville and Russellville. The Town of St. Stephen has both water and sewer services available, which may aid in attracting development to the area. Another source of potential growth is U.S. Hwy. 52, which is scheduled to be widened to four lanes.